

TABLE OF CONTENTS

EXECUTIVE SUMMARY

HOW TO READ THIS DOCUMENT

PREFACE

CHAPTER 1: PURPOSE AND NEED FOR THE PROPOSED ACTION

1.1	Purpose of Programmatic Environmental Impact Statement	1- 2
1.1.1	Who Has Initiated this Process?	1- 2
1.1.2	What is the Proposed Action?	1- 2
1.1.3	To What Areas will the Plan Apply?	1- 2
1.1.4	What will the Plan not Address?	1- 3
1.1.5	What Time Period will be Addressed by the Plan?	1- 3
1.2	Need For the Action	1- 3
1.3	The Opportunities	1- 3
1.3.1	The School Funding Opportunity	1- 3
1.3.2	The Economic Opportunity	1- 4
1.4	The Objectives	1- 5
1.5	The Public Involvement Process	1- 5
1.5.1	Initial Proposal Process	1- 5
1.5.2	Issues Identified	1- 7
1.5.3	Issues Eliminated from Detailed Study	1- 7
1.5.4	DEIS Release	1- 8
1.6	The Decision That Must be Made	1- 9

CHAPTER 2: REAL ESTATE MANAGEMENT PLAN ALTERNATIVES

2.1	Introduction	2- 3
2.1.1	Explanation of Funnel Filtration Process	2- 3
2.2	History and Process Used to Formulate the Alternatives	2- 5
2.3	Alternative Design, Evaluation and Selection Criteria	2- 5
2.3.1	Technical Alternative Design Elements	2- 5
2.3.2	Outcome Requirements	2-30
2.4	Implementation of Preferred Alternative	2-30
2.5	Alternatives Considered but Eliminated from Detailed Study	2-31
2.5.1	Minimal/Passive	2-31
2.5.2	Aggressive Management	2-32
2.5.3	Long Term Resource Management and Conservation	2-32

2.6	Description of Proposed Alternatives	2-33
2.6.1	Alternative A – Current Program	2-33
2.6.2	Alternative B – Diversification of Portfolio	2-40
2.6.3	Alternative B-1: Diversified Portfolio – Conservation Priority	2-48
2.6.4	Alternative C – Focused Portfolio	2-48
2.6.5	Alternative C-1: Focused Portfolio – Conservation Priority	2-56
2.6.6	Alternative D: Focused Entitlements	2-56
2.7	Description of reasonably foreseeable future actions not part of the proposed programmatic plan but related to cumulative effects	2-65
2.7.1	Agricultural Land Leasing	2-65
2.7.2	Grazing Land Leasing	2-65
2.7.3	Forest Product Sales	2-66
2.7.4	Mineral, Oil, Gas Leasing	2-66
2.7.5	Recreation	2-66
2.8	Summary Comparison of the Effects of All Alternatives on the Project Objectives and on the Relevant Environmental Factors	2-67
2.9	Predicted Attainment of Project Objectives by Alternative	2-69
2.9.1	Objective 1 – Generate increased revenue for Trust Beneficiaries greater than current level	2-69
2.9.2	Objective 2 – Comply with the Montana Environmental Policy Act (MEPA) requirement for developing a programmatic plan, DNRC's Administrative Procedures Regarding MEPA (ARM 36.2 537) and the Montana Antiquities Act (MCA 22-3-424), in their most current form	2-70
2.9.3	Objective 3 – Provide a more effective and efficient decision-making framework for real estate management that includes a strategic vision and philosophy for future management	2-72
2.9.4	Objective 4 – Simplify the project level evaluation process	2-73
2.9.5	Objective 5 – Protect the long-term viability of Trust Land for uses other than agriculture, grazing and timber	2-74
2.9.6	Objective 6 – Provide an opportunity for public involvement in decisions affecting residential, commercial, industrial and conservation uses	2-76
2.9.7	Objective 7 – Identify ways to work more closely with local government processes and policies	2-77
2.9.8	Summary Table of Predicted Attainment of Objectives	2-78
2.10	Relationship of Alternatives to Issues raised in the Scoping Process	2-78
2.11	Identification of the Preferred Alternative	2-85
2.11.1	Reasons for Selecting Alternative D	2-85
CHAPTER 3: THE AFFECTED ENVIRONMENT		
3.1	Introduction	3- 2
3.2	Description of Relevant Resources Related to the Trust Land Management Division	3- 2

3.2.1	Statewide Relationships	3- 2
3.2.2	Trust Land Acreage	3- 18
3.2.3	Trust Lands Administration	3- 21
3.2.4	Real Estate Management Bureau (REMB)	3- 22
3.2.5	Trust Land Economics	3- 42
3.2.6	Existing Planning and Regulatory Programs Within (which the REMB Operates)	3- 43
3.3	Description of Relevant Resources Related to the Physical and Biological Environment	3- 48
3.3.1	Geology and Soil	3- 48
3.3.2	Water Resources	3- 52
3.3.3	Fisheries	3- 67
3.3.4	Wildlife	3- 76
3.3.5	Vegetation	3- 94
3.3.6	Air Quality	3- 102
3.4	Description of Relevant Resources Related to the Cultural Aesthetic and Social Environment	3-106
3.4.1	Noise	3-106
3.4.2	Aesthetics	3-107
3.4.3	Cultural Resources	3-112
3.4.4	Community Infrastructure	3-115
3.4.5	Taxation	3-116
CHAPTER 4: ENVIRONMENTAL CONSEQUENCES		
4.1	Introduction	4- 3
4.1.1	Land Base and Filtration Methodology	4- 3
4.1.2	Growth Indices	4- 3
4.1.3	Summary Description of Alternatives	4- 9
4.1.4	Regulatory Requirements	4-13
4.1.5	Project Selection and Prioritization	4-13
4.2	Predicted Effects on all Affected Environmental Resources	4-13
4.2.1	Statewide Demographic Relationships	4-13
4.2.2	Real Estate Management Bureau	4-17
4.2.3	Economics	4-21
4.2.4	Real Estate Transactions and Authorizations	4-23
4.2.5	Geology and Soil	4-26
4.2.6	Water Resources	4-29
4.2.7	Fisheries	4-32
4.2.8	Wildlife	4-36
4.2.9	Reptiles and Amphibians	4-39
4.2.10	Vegetation	4-42
4.2.11	Air Quality	4-46
4.2.12	Noise	4-49
4.2.13	Aesthetics	4-52
4.2.14	Cultural Resources	4-55
4.2.15	Community Infrastructure	4-59

4.2.16	Taxation – Property Tax	4-62
4.2.17	State Equalization Payments to Counties	4-65
4.3	Monitoring and Accounting	4-66
4.3.1	Monitoring	4-66
4.3.2	Accounting	4-67

CHAPTER 5: CATEGORICAL EXCLUSIONS

5.1	Overview	5-2
5.1.1	Emergency Situations (ARM 36.2.539)	5-2
5.1.2	Extraordinary Circumstances	5-2
5.1.3	Categorical Exclusions from MEPA Documentation	5-3
5.2	Proposed Local Regulatory Compliance Under This PEIS	5-4
5.2.1	Description of Local Government Policies, Processes and Regulations	5-4
5.3	Relationship of Local Government Processes to MEPA Analysis	5- 10

LIST OF PREPARERS

LIST OF AGENCIES

ACRONYMS

GLOSSARY

BIBLIOGRAPHICAL REFERENCES

LIST OF FIGURES

E-1	DNRC Land Offices	E- 3
2-1	DNRC Administrative Land Office Regions	2- 4
2-2	Methods of Income Generation on Trust Lands with Residential Value	2- 12
2-3	Initial Steps to Funnel Filter Process	2- 17
2-4	Funnel Filter Process	2- 18
2-5	Project Selection Process	2- 24
3-1	Percent of Federal Ownership Within Each Land Office	3- 15
3-2	Trust Land Management Division Organization	3- 22
3-3	Organizational Chart for the Real Estate Management Bureau	3- 27
3-4	Existing Project Identification Process	3- 31
3-5	Real Estate Management Bureau Revenue	4- 43
3-6	Major Watersheds and Rivers in Montana	3- 58
3-7	Assumed Ranges of Cold and Warm Water Fisheries in Montana	3- 70

LIST OF MAP EXHIBITS

3-1	Land Ownership Map of Montana	3- 4
3-2	Land Ownership Relationship by Land Office	3- 16
3-3	General Locations of Existing Real Estate Leases on Trust Lands -Residential	3- 35
3-4	General Locations of Existing Real Estate Leases on Trust Lands	

	-Commercial	3- 36
3-5	General Locations of Existing Real Estate Leases on Trust Lands	
	-Industrial	3- 37
3-6	General Locations of Existing Real Estate Leases on Trust Lands	
	-Conservation	3- 38
4-1	Lands with Higher Potential for Rural Residential Development	4- 7
4-2	Growth Estimates for Commercial/Industrial Acreages on all Land Ownerships	4- 8

LIST OF TABLES

	Executive Summary	
E-1	Growth Estimates for Rural Residential Acreages on all Land Ownerships	E- 9
E-2	Growth Estimates for Commercial/Industrial Acreages on all Land Ownerships	E- 9
E-3	Alternative A: Growth Estimates for Rural Residential Acreages on Trust Lands	E- 10
E-4	Alternative A: Growth Estimates for Commercial /Industrial Acreages on Trust Lands	E- 10
E-5	Alternative B: Growth Estimates for Rural Residential Acreages on Trust Lands	E- 11
E-6	Alternative B: Growth Estimates for Commercial/Industrial Acreages on Trust Lands	E- 11
E-7	Alternative C: Growth Estimates for Rural Residential Acreages on Trust Lands	E- 12
E-8	Alternative C: Growth Estimates for Commercial/Industrial Acreages on Trust Lands	E- 13
E-9	Summary Comparison of Effects	E- 16
E-10	Summary of Predicted Attainment of Objectives	E- 17
E-11	Issues As Addressed by Alternatives	E- 19
E- 12	MEPA Exclusions/Exemptions – When Considered/Applied	E- 22

CHAPTER 1

1-1	Trust Land Net Revenue per Surface Acre for 2003	1- 4
1-2	Public Scoping	1- 6

CHAPTER 2

2-1	State Land Ownership Mix	2- 7
2-2	Land Ownership by Land Office	2- 8
2-3	Proportion of Trust Land Eligible for Development by Land Office	2- 9
2-4	Relationship of Trust Lands to Existing Conservation	2- 14
2-5	Potentially Developable Lands (acres)	2- 19
2-6	Lands Acreages for Rural Residential Uses by Suitability Ranking	2- 20
2-7	Lands Potentially Suitable for Commercial or Industrial Uses (acres)	2- 21
2-8	Alternative A: Growth Estimates for Rural Residential Acreages on Trust Lands	2- 34
2-9	Alternative A: Growth Estimates for Commercial/Industrial Acreages on Trust Lands	2- 34
2-10	Potential Conservation Acreage Under Alternative A	2- 36

2-11	Alternative B: Growth Estimates for Rural Residential Acreages on Trust Lands	2- 41
2-12	Alternative B: Growth Estimates for Commercial/Industrial Acreages on Trust Lands	2- 41
2-13	Potential Conservation Acreage Under Alternative B	2- 42
2-14	Alternative C: Growth Estimates for Rural Residential Acreages on Trust Lands	2- 49
2-15	Alternative C: Growth Estimates for Commercial/Industrial Acreages on Trust Lands	2- 49
2-16	Potential Conservation Acreage Under Alternative C	2- 50
2-17	Alternative D: Development Caps on Trust Lands Through 2025	2- 59
2-18	Summary Comparison of Effects	2- 67
2-19	Summary of Predicted Attainment of Objectives	2- 78
2-20	Issues As Addressed by Alternatives	2- 80
2-20	ISSUES	
CHAPTER 3		
3-1	Montana State-Wide Economic Information	3- 6
3-2	Residential and Commercial Building Activity in Montana (2001-2004)	3- 7
3-3A	Selected Economic Indicators	3- 8
3-3B	Selected Economic Indicators	3- 9
3-3C	Selected Economic Indicators	3- 10
3-3D	Selected Economic Indicators	3- 11
3-3E	Selected Economic Indicators	3- 12
3-3F	Selected Economic Indicators	3- 13
3-3G	Selected Economic Indicators	3- 14
3-4	Trust Land Acreage by Land Grant	3- 19
3-5	Trust Land Acreage by Land Office and Classification	3- 19
3-6	Percentage of Trust Land Managed by the REMB	3- 20
3-7	Conservation Lands by Land Office (acres)	3- 20
3-8	Relationship of Trust Lands to Existing Conservation Areas	3- 21
3-9	History of Non-Resource Based Uses on Trust Lands – A Chronology	3- 23
3-10	Land Office Staffing	3- 27
3-11	Trust Net Revenue by Source	3- 42
3-12	Real Estate Management Bureau – Current (2003) Annual Lease Income	3- 42
3-13	Hypothetical Balance Sheet – Proportionality	3- 43
3-14	Water Related Regulations	3- 52
3-15	Surface Water Body Impairments by Watershed	3- 59
3-16	Stream Impairment Status	3- 60
3-17	Lake/wetland/reservoir impairment status	3- 60
3-18	Impaired Water Bodies under DNRC Trust Land Management by Land Office	3- 61
3-19	Acres Categorized as Other by Land Office	3- 64
3-20	Presence of Species of Special Concern by Land Office	3- 75
3-21	Number of wildlife species that have been observed in Montana summarized by taxonomic class	3- 77
3-22	Status and distribution of species of special concern by land office area (after State Forest Land Management Plan [updated], Final EIS, Montana DNRC 1996)	3- 86

3-23	Acreages in Land Use/Land Cover classes for DNRC Trust Lands by Land Office and percentage of that land use/land cover type within the land office boundary represented on state Trust Lands. Data derived from early 1990's Landsat TM imagery (National Land Cover Data for Montana-USGS)	3- 88
3-24	Number of Montana wildlife species (omitting accidental bird species) using each of nine general habitats for at least a portion of their seasonal habitat needs within the boundaries of each DNRC land office area(after Montana State Forest Land Management Plan, Final EIS, Montana DNRC 1996)	3- 89
3-25	Forest Area by Forest Type and Land Office (thousands of acres)	3- 95
3-26	Counties Receiving the Highest Equalization Payments	3-118
CHAPTER 4		
4-1	Population and Income Projections by Land Office Region	4- 4
4-2	Growth Estimates for Rural Residential Acreages on all Land Ownerships	4- 5
4-3	Growth Estimates for Commercial/Industrial Acreages on all Land Ownerships	4- 6
4-4	Alternative A: Estimated Number of New Developed and Conservation Acres on Trust Lands through the Year 2025	4- 9
4-5	Alternative B: Estimated Number of New Developed and Conservation Acres on Trust Lands through the Year 2025	4- 10
4-6	Alternative C: Estimated Number of New Developed and Conservation Acres on Trust Lands through the Year 2025	4- 11
CHAPTER 5		
5-1	MEPA Exclusions/Exemptions – When Considered/Applied	5- 3
5-2	Project Development	5- 10
5-3	Impacts on the Physical Environment	5- 11
5-4	Impacts on the Human Population	5- 13
APPENDICIES (available as a separate document)		
Appendix A:		
A-1: Public Comments and TLMD Staff Comments Following Issuance of Initial Scoping Document and Prior to Release of FPEIS		
A-2: DEIS Public Notice Information		
A-3: DEIS Comments and Responses		
Appendix B: Population and Economic Conditions of DNRC Land Office Regions		
Appendix C: GIS Data Report		
Appendix D: Land Use Forecasts, Financial Returns and Economic Impacts		
Appendix E: A Coarse Filter Process to Classify Land		
Appendix F: Sensitive Plant Species Occurring on State School Trust Lands		
Appendix G: Relationship of Growth to Trust Lands (series of maps)		
Appendix H: Funnel Filter Process Map Examples		